

Ammar Ahmed

Full Stack Javascript Engineer
with focus on MERN Stack

Berlin, Germany
Born 20/09/1996

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I am a Pakistani citizen on a Job Seeker Visa in Germany.
My notice period is 30 days.



TECHNICAL SKILLS

JavaScript (5 years of project experience) | TypeScript (3) | ReactJS (3) | Redux (3) | HTML (5) | CSS (5) | NextJS (2) | NodeJS (5) | Material UI (3) | MongoDB (5) | AWS (3) | Docker (2) | CI/CD (2) | Jest (2) | Microservices (3) | React Testing Library (1) | Styled-Components (3) | REST API (5) | WebSocket (3) | JSON (5) | NPM (3) | GIT (5) | BitBucket (3) | Jenkins (2) | Webpack (3) | Prettier (3) | Express (5) | MSSQL (3) | PostgreSQL (3) | Rest API's (5) | Linux (2) | Web-RTC (1) | Devops (1) | CI/CD Pipelines (2) | JIRA (1) | Scrum (5)

WORK EXPERIENCE

06/2022 – Today

Full Stack JavaScript Engineer (Freelance)

Project: [Relearn](#) (Study Bot) - A Hong Kong-based, bilingual AI teaching platform that provides workspace tools for teachers to automate lesson creation and grading, alongside interactive RAG chatbots and math solvers for student exam preparation.

- Architected an asynchronous multi-agent LLM pipeline using Flask and Celery backend workers to generate curriculum-aligned exam variants systematically.
- Engineered Math Explainer V2 by building an image-processing vision pipeline that outputs step-by-step interactive math steps formatted via LaTeX.
- Designed relational MySQL database schemas and SQLAlchemy models to securely store and track a bank of 24k+ generated exam questions.

Technologies used: React.js | Vite | TypeScript | Flask | SQLAlchemy | MySQL | Redis | Celery | Socket.IO | FAISS | AWS | LLMs (Gemini, OpenAI).

06/2022 – 09/2023

Full Stack JavaScript Engineer

Innovazy LLC., Islamabad, Pakistan

Project: ONIT - A USA-based IoT power management platform that centralizes the monitoring and remote control of electrical devices via a web dashboard for 100+ commercial buildings.

- Architected a Node.js microservice architecture leveraging Pub/Sub to ingest high-throughput telemetry data and WebSockets for real-time streaming.
- Engineered serverless disaster recovery pipelines via event-driven AWS Lambda functions and S3 buckets, guaranteeing 99.9% data persistence.
- Developed a high-performance React.js IoT dashboard utilizing specialized state management to visualize concurrent, live sensor data streams.

- Collaborated with a cross-functional team to translate physical energy management requirements into technical specifications for smart building automation.

Technologies used: ReactJS | NodeJS | ExpressJS | MongoDB | PubSub | Websockets | Firebase | AWS (S3, ec2, Lamda) | Microservices | Typescript | Redux | Tailwind CSS.

01/2021 – 05/2022

Full Stack JavaScript Engineer

Macro Soar, Islamabad, Pakistan

Project: [GuardConnect](#) - USA-based B2B SaaS workforce management platform designed to optimize security personnel deployments, coordinate incident dispatching, and automate accountability audits for commercial facilities.

- Developed interactive scheduling engines using Node.js to manage master rotas and shifts for security guards across multiple enterprise accounts.
- Implemented geofencing validation logic on the backend to track security officer check-ins, clock-ins, and out-of-bounds alerts dynamically.
- Programmed serverless data parsers with AWS Lambda to automatically clean and push incident data, visitor access records, and timestamps into MongoDB.

Technologies used: ReactJS | NodeJS | ExpressJS | MongoDB (GeoSpatial) | Leaflet | Websockets | AWS | Microservices | Typescript | Context API | Material UI.

EDUCATION

10/2023 – 04/2025

Master of Science (MSc) / Information Technology Management
University for the Creative Arts (UK) – Delivered at BSBI Berlin Campus.

02/2017 - 10/2021

Bachelor of Science (BS), Computer Science
Comsats University, Islamabad, Pakistan

CERTIFICATIONS

AWS Associate Developer (Scheduled 06/2026)

LANGUAGE SKILLS

English (C2) | Urdu (Mother tongue) | German B1 (B2, currently learning)

HOBBIES

Chess | Cricket | UFC